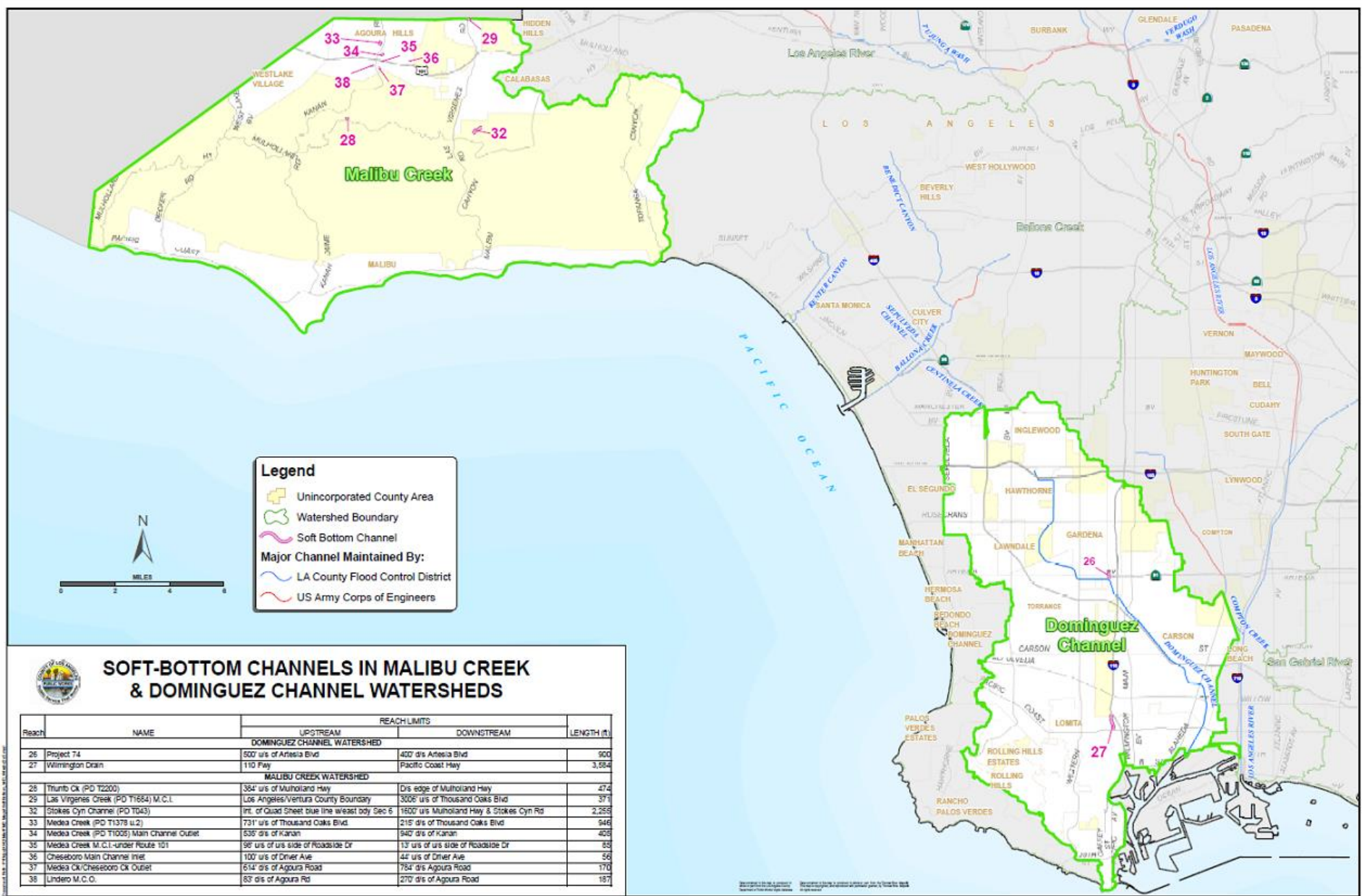


RECAP OF PUBLIC (STAKEHOLDER) MEETING

Malibu Creek & Dominguez Channel Watersheds Feasibility Study

Waste Discharge Requirement Order No. R4-2015-0032-A1



Legend

- Unincorporated County Area
- Watershed Boundary
- Soft Bottom Channel
- Major Channel Maintained By:
 - LA County Flood Control District
 - US Army Corps of Engineers



SOFT-BOTTOM CHANNELS IN MALIBU CREEK & DOMINGUEZ CHANNEL WATERSHEDS

| Reach | NAME | REACH LIMITS | | LENGTH (ft) |
|-----------------------------|--|--|--|-------------|
| | | UPSTREAM | DOWNSTREAM | |
| DOMINGUEZ CHANNEL WATERSHED | | | | |
| 26 | Project 74 | 500' w/s of Artesia Blvd | 400' d/s Artesia Blvd | 900 |
| 27 | Wilmington Drain | 110' Fly | Pacific Coast Hwy | 3,684 |
| MALIBU CREEK WATERSHED | | | | |
| 28 | Thruout Ck (PO T2200) | 384' w/s of Mulholland Hwy | D/s edge of Mulholland Hwy | 474 |
| 29 | Las Virgenes Creek (PO T1664) M.C.I. | Los Angeles/Ventura County Boundary | 3008' w/s of Thousand Oaks Blvd | 371 |
| 32 | Stokes Cyn Channel (PO T043) | Int. of Quad Sheet blue line w/ east bdy Sec 6 | 1600' w/s Mulholland Hwy & Stokes Cyn Rd | 2,255 |
| 33 | Medea Creek (PO T1378 u.2) | 731' w/s of Thousand Oaks Blvd | 215' d/s of Thousand Oaks Blvd | 946 |
| 34 | Medea Creek (PO T1025) Main Channel Outlet | 535' d/s of Karan | 940' d/s of Karan | 405 |
| 35 | Medea Creek M.C.I.-under Route 101 | 98' w/s of w/s side of Roadside Dr | 13' w/s of w/s side of Roadside Dr | 85 |
| 36 | Chesboro Main Channel Inlet | 100' w/s of Driver Ave | 44' w/s of Driver Ave | 56 |
| 37 | Medea Ck/Chesboro Ck Outlet | 614' d/s of Agoura Road | 754' d/s of Agoura Road | 170 |
| 38 | Udendo M.C.O. | 83' d/s of Agoura Rd | 270' d/s of Agoura Road | 187 |

Soft Bottom Reaches

The Feasibility Study (FS) for Malibu/Dominguez evaluated 10 earth-bottom channels in their respective Watersheds. They are:

- ◎ Malibu Creek Watershed

- 9 Reaches

- ◎ Dominguez Channel Watershed

- 1 Reach*

- * Wilmington Drain is not included in this FS

Summary Results

| Reach No. | Reach Name | Excess Capacity Determination | | |
|-----------|---------------------------------|-------------------------------|------------------|-----------------------------------|
| | | Existing Condition | Design Condition | Recommended Additional Vegetation |
| 26 | Project 74 | No | No | No |
| 28 | Triunfo Creek | No | No | No |
| 29 | Las Virgenes Creek | Yes | Yes | Yes |
| 32 | Stokes Canyon Channel | Yes | Yes | Yes-Partial ⁽¹⁾ |
| 33 | Medea Creek (PD T1378) | Yes | Yes | Yes-Partial ⁽²⁾ |
| 34 | Medea Creek Main Channel Outlet | No | No | No |
| 35 | Medea Creek, under Route 101 | Yes | Yes | No ⁽³⁾ |
| 36 | Cheseboro Main Channel Inlet | No | No | No |
| 37 | Medea Creek, d/s of Agoura Road | No | No | No |
| 38 | Lindero Creek | No | No | No |

(1) This Reach only has additional capacity upstream of private bridge.

(2) This reach only has additional capacity downstream of Thousand Oaks Bl. Additional vegetation (if allowed) at this location may need to be cleared at a later time if they hinder flow of storm waters.

(3) This Reach is directly beneath US Highway 101, which is not a suitable location to allow additional native vegetation and/or replacement of non-native vegetation. LACFCD Right of Way is unclear at this reach.

Reach 29- Las Virgenes Creek



Reach 29 - Las Virgenes Creek

- **Current Maintenance Plan:** Hand clearing a 30-foot wide strip along the watercourse (low flow channel).

FS Recommendation:

- Within the herbaceous vegetation on the left bank, plant two (2) valley oaks (*Quercus lobata*) and five (5) blue elderberry (*Sambucus nigra*) at edge of right-of-way (about 100 to 125 feet away from concrete levee).

Reach 32- Stokes Canyon Channel



Reach 32 – Stokes Canyon Channel

- **Current Maintenance Plan:** Hand clear all vegetation between the pipe & wire. Embankment vegetation outside the pipe & wire channel will be left in place.

FS Recommendation:

- Plant at least 20 coast live oaks (*Quercus agrifolia*) on the south bank between the bridge and the most upstream end of the Reach.

Reach 33-Medea Creek (PD T1378)



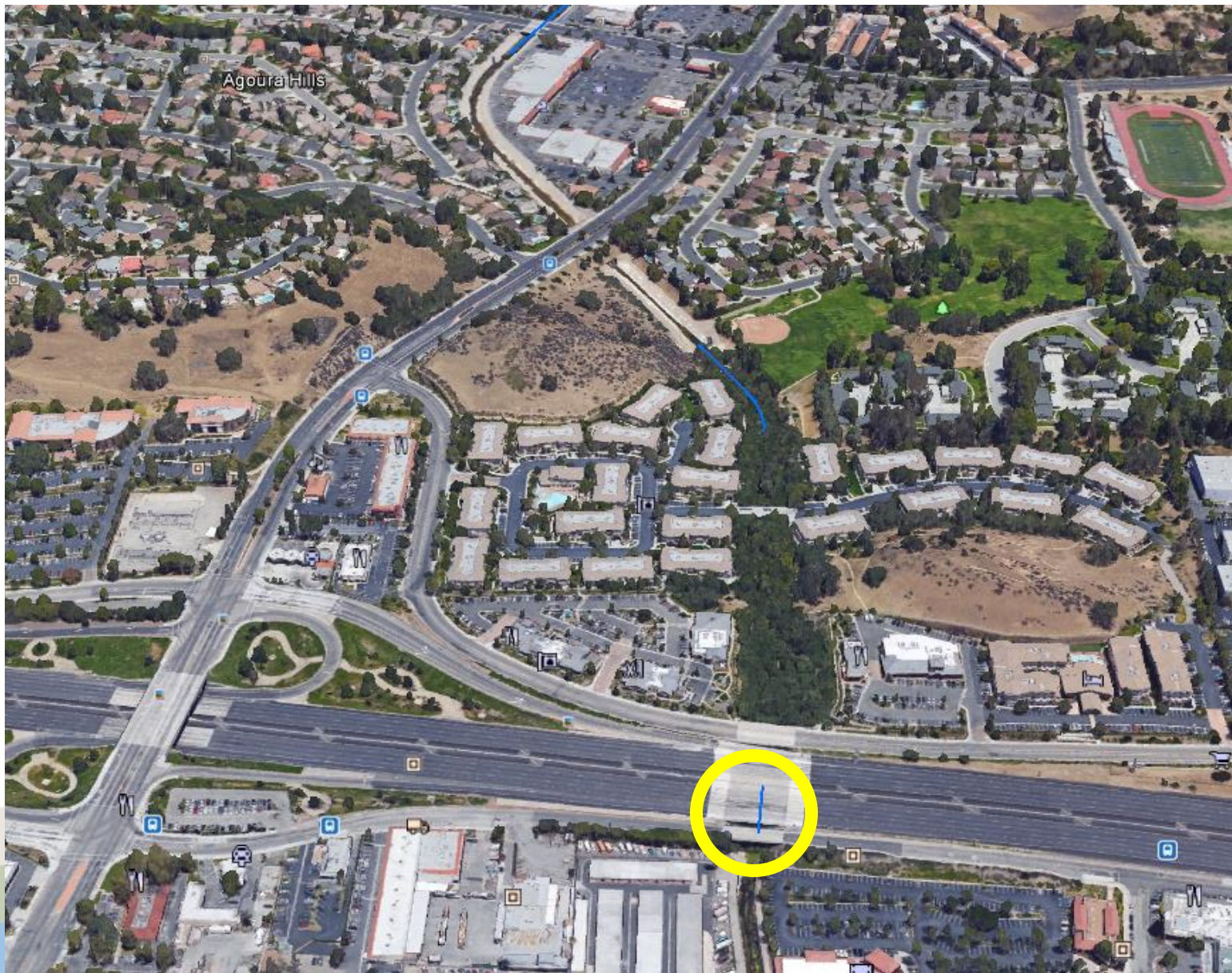
Reach 33-Medea Creek (PD T1378)

- **Current Maintenance Plan:** Mechanical clearing of all vegetation in the channel, except for native trees with a 2-inch DBH or greater.

FS Recommendation:

- This Reach only has capacity downstream of Thousand Oaks Blvd. No additional vegetation is recommended in the upstream portion of this Reach above Thousand Oaks Blvd.
- It is recommended that the cattails downstream of Thousand Oaks Blvd be allowed to naturally expand throughout this downstream area. If overgrowth occurs over time, the vegetation at this location may need to be trimmed back every so often.

Reach 35 - Medea Creek (Under Route 101)



Reach 35 - Medea Creek (under Route 101)

- **Current Maintenance Plan:** Hand clearing will be performed to keep reach clear of all vegetation.

FS Recommendation:

- This Reach is directly beneath U.S. Highway 101, which is not a suitable location to allow additional native vegetation and/or replacement of non-native with native vegetation.
- Preliminary research has shown that the status of LACFCD's right of way is not clear.
 - LACFCD will conduct additional research and evaluate this matter further prior to identifying suitable options for this reach.

Results of Water Quality Monitoring

- ⦿ Pre-maintenance monitoring: most WQ baseline results showed higher turbidity and TSS levels downstream, in comparison with upstream measurements.
- ⦿ During maintenance activities:
 - Additional BMPs were placed downstream of work area to mitigate the naturally high variability of turbidity and TSS in the channel.
 - BMPs effectively improved the WQ results downstream.
- ⦿ Post-maintenance monitoring: Most WQ conditions downstream returned to pre-maintenance levels.

Results of Water Quality Monitoring

- ◎ Steps were taken to minimize contact with flowing water and reduce unnecessary sediment disturbance. Crews did not work in water.
- ◎ Communication/teamwork between WQ monitors and our field staff were also effective at ensuring all WQ results were relayed to field crews to modify and/or add more BMPs.